Phase End Project – 1

Writeup

## Step 1: Create a New ASP.NET Core MVC Project

## Step 2: Check Docker Support

1. Right-click on the project in Solution Explorer
2. Select "Add" > "Docker Support."
3. Choose the appropriate configuration for your project.

## Step 3: Create an Azure SQL Database

1. Log in to the Azure portal (<https://portal.azure.com>).
2. Create a new Azure SQL Database named "CustomerSupportLoggerDB."
3. Inside the database, create two tables: "CustLogInfo" and "UserInfo" according to your project requirements.

## Step 4: Create Controllers and Views

## Step 5: Run the Project and Test

1. Build and run the project to ensure it correctly stores data in the Azure SQL Database.

## Step 6: Dockerize the Project

1. Commands:

*docker build -t image-name -f path for Dockerfile .*

*docker run -it –rm -p portnumber image-name container-name*

## Step 7: Create a Jenkinsfile

1. In the root folder of your project, create a file named "Jenkinsfile."
2. Define the Jenkins pipeline stages in this file to build, test, and publish your project.

## Step 8: Set Up Jenkins and Create a Pipeline